

Assistant Professor

Position Details

Position Information

Department Biol & Ecol Engineering (ABE)

Position Title Assistant Professor

Job Title Assistant Professor

Appointment Type Academic Faculty

Job Location Corvallis

Benefits Eligible Full-Time, benefits eligible

Remote or Hybrid option?

Job Summary

The Departments of Biological & Ecological Engineering (BEE) and Food Science & Technology (FST) invite applications for a full-time (1.00 FTE), 9-month tenure-track Assistant Professor position with expertise in the recovery of resources from waste streams.

This position will be jointly appointed in the two departments (BEE and FST) and supported in pursuing a portfolio of research, teaching, and service activities that build collaboration between the two departments, and will be welcome to advise graduate students in both programs. The tenure home and primary supervisor for this position will be in the Dept. of Biological & Ecological Engineering.

Food system resilience is critical to meeting present and future needs for sustained provision of food supplies in the face of growing populations, changing climate, and increasingly integrated systems of production and manufacturing. This is one of two positions being hired jointly between BEE and FST, and more broadly part of a campus-wide hiring several new faculty focused on resilient food systems through recent support from the Oregon legislature. The incumbent will study the design and operation of engineered processes to recover resources and remediate waste streams from food system operations. Resource recovery systems that integrate physical, chemical, and biological processes and their dynamics are particularly of interest. The evaluation of process operations techno-economic analysis (TEA), lifecycle assessment, or similar approaches to assess their sustainability, resilience and ecological impact are of particular interest. We welcome applicants spanning research approaches including empirical experiments, pilot-scale process system design, mechanistic modeling, and/or data science. Research in treatment processes employing nature-based solutions including but not limited to sustainable phytoprocesses, microbial transformations, and/or other bioresource or bioprocess technologies and approaches is of particular interest.

There is an expectation that, as part of your role in the college, you embody and advance the principles and practices conveyed in the [CAS CARE Commitment](#) document.

Oregon State University and the Department are committed to maintaining and enhancing a collaborative and inclusive community that strives for equity and equal opportunity. All employees of the Department are responsible for helping to ensure that these goals are achieved. In addition, all faculty members will design, develop,

maintain and/or carry out Department programs to ensure that all people have equal program participation opportunities. The incumbent will contribute to equity, inclusion, and diversity as part of educational delivery, advising, research, Extension, service, and/or scholarly outcomes. Outputs and impacts of efforts to promote equity, inclusion, and diversity are expected to be included in promotion and tenure dossiers.

This position carries the general and specific responsibilities of a faculty member described in the Faculty Handbook and the promotion and tenure guidelines of Oregon State University. These include effective research, teaching, and/or extension programs, demonstrable scholarship, and active professional development.

Why OSU?

Working for Oregon State University is so much more than a job!

Oregon State University is a dynamic community of dreamers, doers, problem-solvers and change-makers. We don't wait for challenges to present themselves — we seek them out and take them on. We welcome students, faculty and staff from every background and perspective into a community where everyone feels seen and heard. We have deep-rooted mindfulness for the natural world and all who depend on it, and together, we apply knowledge, tools and skills to build a better future for all.

FACTS:

- Top 1.4% university in the world
- More research funding than all public universities in Oregon combined
- 1 of 3 land, sea, space and sun grant universities in the U.S.
- 2 campuses, 11 colleges, 12 experiment stations, and Extension programs in all 36 counties
- 7 cultural resource centers that offer education, celebration and belonging for everyone
- 100+ undergraduate degree programs, 80+ graduate degrees plus hundreds of minor options and certificates
- 35k+ students including more than 2.3k international students and 10k students of color
- 217k+ alumni worldwide
- For more interesting facts about OSU visit: <https://oregonstate.edu/about>

Locations:

Oregon State has a statewide presence with campuses in Corvallis and Bend, the OSU Portland Center and the Hatfield Marine Science Center on the Pacific Coast in Newport.

Oregon State's beautiful, historic and state-of-the-art main campus is located in one of America's best college towns. Corvallis is located close to the Pacific Ocean, the Cascade mountains and Oregon wine country. Nestled in the heart of the Willamette Valley, this beautiful city offers miles of mountain biking and hiking trails, a river perfect for boating or kayaking and an eclectic downtown featuring local cuisine, popular events and performances.

Total Rewards Package:

Oregon State University offers a [comprehensive benefits package](#) with benefits eligible positions that is designed to meet the needs of employees and their families including:

- Medical, Dental, Vision and Basic Life. OSU pays 95% of premiums for you and your eligible dependents.
- Free confidential mental health and emotional support services, and counseling resources.
- Retirement savings paid by the university.
- A generous paid leave package, including holidays, vacation and sick leave.
- Tuition reduction benefits for you or your qualifying dependents at OSU or the

additional six Oregon Public Universities.

- Robust Work Life programs including Dual Career assistance resources, flexible work arrangements, a Family Resource Center, Affinity Groups and an Employee Assistance Program.

Future and current OSU employees can use the [Benefits Calculator](#) to learn more about the full value of the benefits provided at OSU.

Key Responsibilities

65% Research and Scholarly Activities

Establish nationally and internationally recognized, externally funded research program in waste-to-resource engineering applications. Expectations include:

- Advising and mentoring graduate students, post-doctoral scholars, research technicians, undergraduate students, and others involved in the research program;
- Generate scholarly outputs in the form of peer-review journal articles and other accepted forms of scholarship reflecting your research activities;
- Secure competitive external funding to support the research program;
- Serve as an investigator on a USDA-NIFA Hatch collaborative or Hatch multistate project;
- Interdisciplinary work and multi-level systems approach that integrate basic sciences and translation to solutions for the benefit of the broader resilient food systems.

25% Teaching and Advising

- Develop and deliver 2-3 courses per year at the undergraduate and/or graduate level related to food systems process or operations engineering, techno-economic analysis or lifecycle assessment, or similar topics. Specific assignments will be developed in collaboration with the Dept. Head based on unit needs and expertise of the incumbent. Modality may include a combination of in-person, hybrid, or ECampus delivery of instruction.

10% Service

- The incumbent is expected to advance their professional discipline through service to professional organizations.
- Serve the University and general public by providing timely science-based information to the public including through engagement with extension, outreach activities, trade organizations, popular media, and/or community-engaged or stakeholder-driven research.
- Assume departmental duties and participate in university and college service in consultation with the Dept. Head.

What You Will Need

Ph.D. in Agricultural Engineering, Ecological Engineering, Environmental Engineering, Chemical Engineering, Food Science, Food Systems Engineering, or in a closely related field of engineering, food science, or agricultural science with experience in resource recovery from waste streams.

Demonstrated ability to communicate effectively both verbally and in writing;

Demonstrated ability to work independently and cooperatively within a multidisciplinary team;

Demonstrated ability to work and communicate with audiences, including colleagues, stakeholders, the general public, policymakers, academics, and students.

Demonstrated commitment to promoting and enhancing diversity, equity, and inclusion.

This position is designated as a critical or security-sensitive position; therefore, the

incumbent must successfully complete a criminal history check and be determined to be position qualified as per University Standard: 05-010 et seq. Incumbents are required to self-report convictions and those in youth programs may have additional criminal history checks every 24 months.

What We Would Like You to Have

Record of/commitment to work with underrepresented/underserved students or other audiences.

Life experience, education, or training that broadens capacity to equalize learner success or impact underserved audiences.

Demonstrated engagement with and leadership in the scholarly community

Demonstrated experience in formal or informal education, including classroom instruction, extension teaching, or other education delivery methods.

Demonstrated program leadership and management skills

Demonstrated ability to secure federal and/or state and/or industry competitive funding to support a research program

Professional experience in or partnerships with food and beverage processing and/or manufacturing

Experience integrating environmental justice concepts into research, teaching, and/or service activities.

Working Conditions / Work Schedule

Travel for field research and presentations. Work may take place in varying field conditions and environments. Evening and/or weekend work may be required for conference travel and research work in the field and laboratory.

Pay Method

Salary

Pay Period

1st through the last day of the month

Pay Date

Last working day of the month

Recommended Full-Time Salary Range

Salary is commensurate with skills, education and experience

Link to Position Description

https://jobs.oregonstate.edu/position_descriptions/147133

Posting Detail Information

Posting Number

P07585UF

Number of Vacancies

1

Anticipated Appointment Begin Date

09/01/2023

Anticipated Appointment End Date

Posting Date

12/05/2023

Full Consideration Date

01/14/2024

Closing Date

02/11/2024

Indicate how you intend to recruit for this search

Competitive / External - open to ALL qualified applicants

Special Instructions to Applicants

To ensure full consideration, applications must be received by January 14, 2024. Applications will continue to be accepted after the full consideration date, until a sufficient applicant pool has been achieved or the position is filled. The closing date is subject to change without notice to applicants.

When applying you will be required to attach the following electronic documents:

- 1) A copy of your current Curriculum Vitae.
- 2) Cover letter addressing each of the required qualifications and the preferred qualifications listed in this announcement,
- 3) A 1-Page statement of research interest;
- 4) A 1-Page statement on your teaching philosophy;
- 5) A 1-page diversity statement on your commitment to fostering diversity. After reviewing the OSU mission statement at <http://leadership.oregonstate.edu/trustees/oregon-state-university-mission-statement> and the emphasis on diversity, please state how your background and experience has prepared you to be effective in an environment that values diversity.

You will also be required to submit the names of at least three professional references, their e-mail addresses and telephone numbers as part of the application process.

For additional information please contact:

Jennifer Cohen

jennifer.cohen@oregonstate.edu

OSU commits to inclusive excellence by advancing equity and diversity in all that we do. We are an Affirmative Action/Equal Opportunity employer, and particularly encourage applications from members of historically underrepresented racial/ethnic groups, women, individuals with disabilities, veterans, LGBTQ community members, and others who demonstrate the ability to help us achieve our vision of a diverse and inclusive community.

OSU will conduct a review of the National Sex Offender Public website prior to hire.

This position is designated as a critical or security-sensitive position; therefore, the incumbent must successfully complete a criminal history check and be determined to be position qualified as per University Standard 05-010 et seq. Incumbents are required to self-report convictions and those in youth programs may have additional criminal history checks every 24 months. Offers of employment are contingent upon meeting all minimum qualifications including the criminal history check requirement.

Supplemental Questions

Required fields are indicated with an asterisk (*).

Documents Needed to Apply

Required Documents

1. Cover Letter
2. Curriculum Vitae
3. Statement of Research
4. Statement of Teaching
5. Diversity Statement

Optional Documents

1. REQUIRED for Verification of Veteran Status (Documentation will be removed once status certified)